

Signature

; FW

PTO/SB/21 (C8-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Tredomark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Application Number 10/721,514 Filing Date 11/24/2003 TRANSMITTAL First Named Inventor **Tad Dennis Brockway FORM** Group Art Unit 2153 (to be used for all correspondence effer initial filing) Examiner Name Attorney Docket Number MS1-1786US Total Number of Pages in This Submission ENCLOSURES (check all that apply) X After Allowance Communication Drawing(s) Fee Transmittal Form to Group Licensing-related Papers Fee Attached Appeal Communication to Board Petition of Appeals and Interferences Amendment / Reply Petition to Convert to a Appeal Communication to Group Provisional Application After Final (Appeal Notice, Brief, Reply Brief) Power of Attorney, Revocation Affidavits/declaration(s) Proprietary Information Change of Correspondence Extension of Time Request Status Letter Address **Express Abandonment Request** Other Enclosure(s) (please **Terminal Disclaimer** identify below): Information Disclosure Statement Request for Refund Form PTO-1449 and 1 cited reference Certified Copy of Priority CD, Number of CD(s) Return Receipt Postcard Documents Response to Missing Parts/ Remarks Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 22801 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Brian G. Hart/Reg. No. 44421 Individual Name Signatura Date CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mall in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name LeAnn M. Sassman Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or rotain a benefit by the public which is to file (and by the USPTO to process) an opplication. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Tredemerk Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/17 (12-04)

Approved for use through 07/31/2006, OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Panerwork Reduction Act of 1935, no corrors are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). Application Number 10/721,514 FEE TRANSMIT Filing Date 11/24/2003 For FY 2005 Tad Dennis Brockway First Named Inventor **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 Art Unit 2153 TOTAL AMOUNT OF PAYMENT MS1 - 1786US Attorney Docket No. METHOD OF PAYMENT (check all that apply) Credit Card Money Order Other (please identify): Check None Lee & Hayes, PLLC 12-0769 Deposit Account Name ✓ Deposit Account Deposit Account Number: For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments under 37 CFR 1.16 and 1.17
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. **FEE CALCULATION** 1. BASIC FILING, SEARCH, AND EXAMINATION FEES **FILING FEES EXAMINATION FEES Small Entity** Small Entity **Small Entity** Fees Paid (\$) Fen (\$) Fee (\$) Foe (\$) **Application Type** Fee (\$) Fee (\$) Fee (\$) 200 300 500 100 Utility 150 250 Design 200 100 50 130 65 200 100 300 150 160 80 Plant 500 600 300 300 150 250 Reissue 0 200 100 Provisional **Small Entity** 2. EXCESS CLAIM FEES Fen (5) Fee (\$) Fee Description 50 Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent 200 100 180 Multiple dependent claims Multiple Dependent Claims Fee Paid (\$) Total Claims Fec (\$) Extra Claims 50 Fee (\$) Fee Pald (\$) - 20 or HP = HP = highest number of total claims paid for, if greater than 20 Extra Claims Fee (\$) Foo Paid (\$) Indep. Claims - 3 or HP = 200 HP = highest number of independent claims paid for, if greater than 3 If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Number of each additional 50 or fraction thereof Fee Pald (\$) Extra Sheets Fee (\$) Total Shoots _ (round up to a whole number) Fces Paid (\$) 4. OTHER FEE(S) Non-English Specification. \$130 fce (no small entity discount) Other SUBMITTED BY Registration No. 44421 Telephone (509) 324-9256 Signature

Name (Print/Type) Brian G. Hart This collection of Information is required by 37 CFR 1.138. The Information is required to obtain or retain a benefit by the public which is to (1e (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, propering, and submitting the completed explication form to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time your require to complete this form end/or suggest/ars for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	10/721,514
Filing Date	11/24/2003
Confirmation No	5324
Inventorship	Tad Dennis Brockway
Applicant	Microsoft Corporation
Group Art Unit	2153
Examiner	
Attorney's Docket No.	MS1-1786US
Title: A Web Service for Remote Application Discovery	

INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

REMARKS

The citations listed, copies attached, are submitted in compliance with the duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

Respectfully Submitted,

Date: 3/21/2005

Brian G. Hart Reg. No. 44421

10

11

12

14

16

18

19

20

21

22

23

24

25

										P ¹	FO/SB/08A (08-03) 6. OMB 0651-0031 IT OF COMMERCE MB control number.
	OIF	E						and for US	e thro	ugh 07/31/200	T OF COMMERCE
/	U '	· igh					Appl	roved tot us mark Office	U.S	DEPARTMENT Stains a valid C	MB control number:
/					U	S. Pate	ent and Trade	ation unless	It COI	11111	
la la	MAR 2	9 2005		o roni	uired to respond to	a collec	000	nlete if I	(nov	vn	
Ä		1 an Act of 1995, no	ersons a	re requ			Com	PICT 5	14		
er the Paper	ork Reduc	HOIT ASS			\	umber		10/12/19	003		
<u> </u>	This:	المنتقدين			Application N	uiii		Tad De	nnis	Brockway	
ute for form 14	49A/P1		IRE		Filing Date First Named	Invent	or	2153			
	DITAN	N DISCLOSI BY APPLIC	ANT		The Library			T		118	
INFOR	MENT	BY APPLIO			Examiner N	ame	umher	MS1-	1786	03	
STAIL	.141—	- necessal	γ)		Attorney DO	JORG	umo.			Colur	nns, Lines, Where sages or Relevant
/use	as many	sheets as necessar		2	===XT DC	CUM	ENTS	e or		Pages, Colui	nns, Lines, Who sages or Relevant res Appear
				U.S	S. PATENT DO	Na	ame of Patent cant of Cited D	ocument		Figu	res Appear 709/224
et		Number			blication Date M-DD-YYYY	Applic	ant or or	401			709/224
-iner Cite	T	Document Number		IVI		+-	Rangarajan 6		+		100122
aminer Cité	1 Num	ber-Kind Code ² (if know	<u>vn)</u>		12-1998	+-	Huang et	aı.	+		
,,,,,,	T US-	5,845,001	 	$\overline{}$	06-2001	+-			+		
	- us	- 6,247,052	 	\top		+-			+		
	US		 	\vdash		+-			+		
	\ u	3.	+	+		+			+		
	\u	5-	+	+		-			-+		
	$-+\tau$	is.		+		-+			-		
		JS-		1		-+					
		us-		+		-+					
		US-		-		-+					
		US-		-		-+					
	 	US-		$\neg \uparrow$						1	
	 	US-								+	
	+	us-			T		1			+	
	+	US-	+		T		1			_	
	+-	us-			T		1			_	
<u> </u>		US-			T						
L		us-		-			DOC!	MENTS		T	Pages, Columns, Lines,
L		us-			FOREIGN	PATE	NI DOOD			atoe or	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
<u> </u>							-tion Date	Name	of Pate	entee or d Document	or Kelevan
		For	eign Pate	nt Doc	ument	Public Public	ation Date DD-YYYY	Applicant	شنشن		
		330	المروطة المرادة	_Kind C	ode ⁵ (if known)	<u> </u>					
Exar	ן יסווון	No.1 Country Code	-Number		code ⁵ (if known)	\vdash					
Init	ials'					+-		L			1
L	+					4-		T			
								1			
		-							-	Date	1
								_			tation if not in conformance ar per (optional). 2 See Kinds Co per (optional). 4 For Ja
											once al

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not USPTO Standard ST.3). 4 For Japanese patent include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Standard ST.3). 4 For Japanese patent include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number code (WIPO Standard ST.3). 4 For Japanese patent included copy of this form with next communication to applicant. 1 Applicant's unique citation designation number code (WIPO Standard ST.3). 4 For Japanese patent included copy of this form with next communication to applicant. 1 Applicant's unique citation designation number code (WIPO Standard ST.3). 4 For Japanese patent included copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Standard ST.3. 4 For Japanese patent included copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Standard ST.3. 4 For Japanese patent included copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Standard ST.3. 4 For Japanese patent included copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Standard ST.3. 4 For Japanese patent included copy of the Emperor must precede the serial number of the patent document. 5 Kind of document included Codes of the Standard ST.3. 4 For Japanese patent included Codes of the Standard ST.3. 4 For Japanese patent included Codes of the Standard ST.3. 4 For Japanese patent included Codes of the Standard ST.3. 4 For Japanese patent included Codes of the Standard ST.3. 4 For Japanese patent included *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not conformance with MPEP 609. Draw line through citation if not in conformance and not conformance with MPEP 609. Draw line through citation if not in conformance and not conformance with MPEP 609. Draw line through citation if not in conformance and not conformance with MPEP 609. Draw line through citation if not in conformance and not conformance with MPEP 609. Draw line through citation if not in conformance and not conformance with MPEP 609. Draw line through citation if not in conformance and not conformance with MPEP 609. Draw line through citation if not in conformance and not conformance with MPEP 609. Draw line through citation if not in conformance and not citation is in conformance with MPEP 609. Draw line through citation is conformance and not citation is in conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609. Draw line through citation is conformance with MPEP 609.

documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate the serial number of the patent document. 5 Kind of document by the appropriate documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate documents are indicated as a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the modern of the amount of the collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the complete, including the amount of the collection of information is estimated to take 2 hours to complete, including the amount of the collection of information is required to obtain or retain a benefit by the public which is to file (and by the complete on the amount of the collection of information is required to obtain or retain a benefit by the public which is to file (and by the complete, including the amount of the collection of information is required to obtain or retain a benefit by the public which is to file (and by the complete, including the amount of the collection is estimated to take 2 hours to complete, including the amount of the collection is estimated to take 2 hours to complete the amount of the collection is estimated to take 2 hours to complete the amount of the collection is estimated to take 2 hours to complete the amount of the collection is estimated to take 2 hours to complete the amount of the collection is estimated to take 2 hours to complete the amount of the collection is estimated to take 2 hours to complete the amount of the collection is estimated to take 2 hours to complete the collection is estimated to complete the collection is estimated to collection is estimated to complete the amount of the collection is estimated to take 2 hours to complete the collection is estimated to take 2 hours to complete the collection is estimated to take 2 hours to complete the collection is estimated to collection is estimated gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, time you require to complete this form and/or suggestions for reducing the complete this form and/or suggesti If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (04-03) Approved for use through 10/31/2002. OMB 0551-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for for	m 1449/PTO	-		Complete if Known		
				Application Number	10/721,514	
INFORMATION DISCLOSURE				Filing Date	11/24/2003	
STA	TEMENT	BY AP	PLICANT	First Named Inventor	Tad Dennis Brockway	
				Group Art Unit	2153	
	(use as many sl	heets as nec	essary)	Examiner Name		
Sheet	2	· of	2	Attorney Docket Number	MS1-1786US	

Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the								
er(s),	Examiner Cite No.							
tation								

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.